

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: JON ADLER  
Serial No.: Division of Serial No. 09/825,882      Group Art Unit: 1646  
Filed April 5, 2001  
Filed: December 1, 2003      Examiner: BRANNOCK, MICHAEL T.  
Title: **T2R RECEPTOR BINDING ASSAYS THAT IDENTIFY  
POTENTIAL BITTER TASTE MODULATORY  
COMPOUNDS**

Customer No. 23911  
Confirmation No. 3758

PRELIMINARY AMENDMENT

Mail Stop Non-Fee Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Prior to the examination, kindly cancel all of original claims 1-137, and insert the following claims 138-172 in their place, all of which are directed to binding assays for identifying compounds that specifically bind a T2R receptor polypeptide or modulate the specific binding of another compound to a T2R receptor polypeptide. Based on their binding properties, these compounds potentially may be used to modulate or elicit bitter taste sensation in human subjects. Therefore, compounds identified using the subject binding assays potentially may be used as food flavor additives, e.g., as bitter taste blockers.

Amendments to the Claims are reflected in the listing of claims beginning on page 4 of this paper.

A new Abstract of the Disclosure is submitted herewith (attached as a separate page to this Preliminary Amendment).

A new Title is found at page 3 of this paper.

The first paragraph of the specification is amended on page 4 of this paper.

Remarks begin on page 11 of this paper.

**IN THE TITLE:**

Please delete the current title and substitute the following:

**TITLE:**

- T2R Receptor Binding Assays That Identify Potential Bitter Taste  
Modulatory Compounds -